

ABSTRACT

OPTICAL APPARATUS WITH FARADAY ROTATOR, STATIC GAIN FLATTENING FILTER AND VARIABLE OPTICAL ATTENUATOR

5 An optical apparatus for transmitting an optical signal includes a
static filter, a Faraday rotator and a reflector. The Faraday rotator makes a
first change in polarization of an optical signal in a first direction, and a
second change in polarization of the optical signal received from the
reflector in a second direction. This produces a polarization of the optical
10 signal that is substantially orthogonal to an initial polarization state of the
optical signal.